

rules of common sense and safety, you can enjoy many hours servicing your own machine. If you ignore these rules you can hurt yourself or damage the ATC.

1. Never use gasoline as a cleaning solvent.
2. Never smoke or use a torch in the vicinity of flammable liquids such as cleaning solvent in open containers.
3. If welding or brazing is required on the ATC, remove the fuel tank to a safe distance, at least 50 ft. (15 m) away.
4. Use the proper sized wrenches to avoid damage to nuts and injury to yourself.
5. When loosening a tight or stuck nut, watch out for what might happen if the wrench should slip. Be careful; protect yourself accordingly.
6. Keep your work area clean and uncluttered.
7. Wear safety goggles during all operations involving drilling, grinding or the use of a cold chisel.
8. Never use worn tools.
9. Keep a fire extinguisher handy and be sure it is rated for gasoline and electrical fires.

### SPECIAL TIPS

Because of the extreme demands placed on an ATC, several points should be kept in mind when performing service and repair. The following items are general suggestions that may improve the overall life of the machine and help avoid costly failures.

1. Use a locking compound such as Loctite 242 on all bolts and nuts, even if they are secured with lockwashers. This type of Loctite does not harden completely and allows easy removal of the bolt or nut. A screw or bolt lost from an engine cover or bearing retainer could easily cause serious and expensive damage before its loss is noticed.

When applying Loctite, use a small amount. If too much is used, it can work its way down the threads and enter bearings or seals.

2. Use a hammer-driven impact tool to remove tight fasteners. These tools help prevent the rounding off of bolt heads.
3. When straightening out the "fold over" type lockwasher, use a wide-blade chisel such as an old and dull wood chisel. Such a tool provides a better purchase on the folded tab, making straightening out easier.

4. When installing the "fold over" type lockwasher, always use a new washer if possible. If a new washer is not available, always fold over a part of the washer that has not been previously folded.

Reusing the same fold may cause the washer to break, resulting in the loss of its locking ability and a loose piece of metal adrift in the engine.

When folding the washer over, start the fold with a screwdriver and finish it with a pair of pliers. If a punch is used to make the fold, the fold may be too sharp, thereby increasing the chances of the washer breaking under stress.

These washers are relatively inexpensive and it is suggested that you keep several of each size in your tool box for field repairs.

5. When replacing missing or broken fasteners (bolts, nuts and screws), especially on the engine or frame components, always use Honda replacement parts. They are specially hardened for each application. The wrong 75-cent bolt could easily cause many dollars worth of serious damage, not to mention rider injury.

6. When installing gaskets in the engine, always use Honda replacement gaskets *without* sealer, unless otherwise designated. These gaskets are designed to swell when they come in contact with oil. Gasket sealer will prevent the gaskets from swelling as intended, which can result in oil leaks. These Honda gaskets are also cut from material of the precise thickness needed. Installation of a too thick or too thin gasket in a critical area could cause engine damage.

### PARTS REPLACEMENT

Honda makes frequent changes during a model year—some minor, some relatively major. When you order parts from the dealer or other parts distributor, always order by engine and frame number. Write the numbers down and carry them with you. Compare new parts to old before purchasing them. If they are not alike, have the parts manager explain the difference to you.

### EXPENDABLE SUPPLIES

Certain expendable supplies are also required. These include grease, oil, gasket cement, wiping rags and cleaning solvent. Ask your dealer for the special locking compounds, silicone lubricants and lube products which make ATC maintenance simpler and easier. Cleaning solvent, kerosene and diesel fuel are available at many service stations.

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